

02197338 SITE NO. 5 AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°16'50'', long 81°40'15'', Aiken County, Hydrologic Unit 03060106, at upstream end of pipe culvert at SRS Road E, 600 ft southeast of Area F, 0.5 mi east of SRS Road C, at Savannah River Site.

DRAINAGE AREA.--0.28 mi².

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Data collection platform. Datum of gage is 250.6 ft above sea level (by Global Positioning System and Department of Energy benchmarks).

REMARKS.--No estimated daily discharges. Records fair. Flow completely regulated by Savannah River Site operations.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	1.6	2.1	1.8	5.9	1.8	2.3	2.2	2.1	3.2	2.0	2.2
2	1.5	1.6	2.1	2.8	2.2	2.0	2.9	2.1	2.0	2.1	2.1	2.3
3	1.6	2.1	2.1	3.0	2.0	2.4	3.2	2.4	2.1	2.1	1.9	2.3
4	1.7	2.4	1.7	2.1	2.1	2.4	1.9	2.3	2.1	2.0	2.3	2.2
5	1.6	2.1	1.8	2.0	2.7	2.3	2.0	2.3	2.0	2.0	2.0	2.1
6	1.8	2.2	1.7	2.1	2.9	2.1	2.1	2.6	2.1	2.4	1.9	2.3
7	2.9	1.6	1.8	2.0	1.9	2.0	2.0	2.1	2.1	4.4	2.0	2.2
8	2.7	1.9	1.8	2.0	2.2	2.1	2.0	2.1	2.1	2.2	2.0	2.3
9	2.1	2.0	1.8	2.1	2.0	2.7	2.1	2.2	2.0	2.0	1.9	2.4
10	1.9	1.8	1.6	1.9	2.1	2.2	2.1	2.1	2.1	2.2	1.9	2.3
11	1.6	2.3	1.8	1.7	1.9	2.0	2.3	1.9	2.2	5.1	1.9	2.2
12	1.6	2.2	1.7	1.7	1.9	2.1	.78	2.1	2.4	5.5	1.8	2.2
13	1.6	2.1	1.8	1.7	1.9	2.3	.81	2.1	2.0	3.4	2.0	2.3
14	1.9	1.8	1.6	2.4	1.8	3.7	.93	2.1	2.2	2.4	2.0	2.4
15	2.1	1.8	1.9	2.4	2.0	3.7	1.2	1.9	2.2	2.3	2.1	2.9
16	2.0	2.2	1.8	3.3	2.0	2.8	1.2	2.0	8.6	3.2	2.6	2.2
17	1.9	2.2	1.9	2.4	2.3	2.2	2.4	2.0	2.2	3.6	3.0	2.4
18	2.0	2.0	2.1	3.0	2.2	2.3	2.5	2.0	2.2	3.1	2.5	2.6
19	2.0	1.9	2.0	1.9	2.2	2.3	2.6	2.9	3.4	2.2	2.2	2.3
20	2.1	2.1	1.9	1.9	2.2	2.3	1.8	3.4	2.3	2.3	3.6	4.6
21	2.1	1.7	1.4	1.8	2.5	3.0	1.9	2.5	2.0	2.1	2.3	2.6
22	1.7	1.7	1.4	1.9	2.4	2.8	1.9	2.3	2.0	2.2	2.2	2.3
23	1.6	2.1	2.3	6.4	2.1	2.4	1.9	2.2	2.0	2.1	2.2	2.3
24	2.0	2.0	1.8	4.0	3.6	2.4	2.0	2.0	2.0	2.1	2.9	2.5
25	1.9	1.8	2.3	3.2	2.3	3.8	2.1	2.0	2.4	2.0	2.2	3.7
26	1.9	1.7	2.3	3.3	2.3	3.0	2.1	2.1	2.3	2.1	2.1	3.6
27	1.9	1.8	3.3	2.5	2.0	2.3	2.1	2.1	2.3	2.0	2.4	3.2
28	1.8	1.8	3.2	2.3	1.8	1.9	2.2	2.1	3.0	2.0	3.5	7.1
29	1.7	1.8	1.9	2.0	---	2.1	2.1	2.0	6.9	2.2	2.6	3.2
30	1.7	1.6	1.6	2.1	---	2.0	3.5	2.0	3.1	2.2	2.5	3.5
31	1.5	---	1.8	2.1	---	2.2	---	2.1	---	2.0	2.2	---
TOTAL	58.0	57.9	60.3	75.8	65.4	75.6	60.92	68.2	78.4	80.7	70.8	82.7
MEAN	1.87	1.93	1.95	2.45	2.34	2.44	2.03	2.20	2.61	2.60	2.28	2.76
MAX	2.9	2.4	3.3	6.4	5.9	3.8	3.5	3.4	8.6	5.5	3.6	7.1
MIN	1.5	1.6	1.4	1.7	1.8	1.8	.78	1.9	2.0	2.0	1.8	2.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1999, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
MEAN	2.71	2.62	2.68	2.92	3.13	2.91	2.67	2.64	2.90	2.64	2.54	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49
MAX (WY)	4.66	3.79	4.06	4.07	4.68	4.80	5.12	4.44	4.84	4.16	4.84	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24	4.24
MIN (WY)	1.91	1.83	1.90	1.86	1.85	1.98	1.98	1.98	1.95	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98
MIN (WY)	1.15	1.57	1.69	1.73	1.94	1.57	1.92	1.48	1.96	1.42	1.45	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
(WY)	1992	1992	1992	1992	1992	1992	1992	1992	1980	1990	1992	1990	1990	1990	1990	1992	1990	1990	1990	1990

SAVANNAH RIVER BASIN

SUMMARY STATISTICS	02197338 SITE NO. 5 AT SAVANNAH RIVER SITE, SC--Continued		WATER YEARS 1973 - 1999	
	FOR 1998 CALENDAR YEAR	FOR 1999 WATER YEAR		
ANNUAL TOTAL	1176.0	834.72		
ANNUAL MEAN	3.22	2.29	2.76	
HIGHEST ANNUAL MEAN			3.74	1989
LOWEST ANNUAL MEAN			1.72	1992
HIGHEST DAILY MEAN	14	Mar 8	8.6	Jun 16
LOWEST DAILY MEAN	1.2 **	Aug 28	.78	Apr 12
ANNUAL SEVEN-DAY MINIMUM	1.5	Aug 24	1.3	Apr 10
INSTANTANEOUS PEAK FLOW			** 109	Jun 16
INSTANTANEOUS PEAK STAGE			3.77	Jun 16
10 PERCENT EXCEEDS	5.1		3.0	
50 PERCENT EXCEEDS	2.8		2.1	
90 PERCENT EXCEEDS	1.6		1.8	

* From rating curve extended above 5 ft³/s based on contracted opening indirect computations.
 ** Also occurred Sep. 2.

